

NWS Form E-5

(04-2006)

(PRES. BY NWS Instruction 10-924)

U.S. DEPARTMENT OF COMMERCE

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL WEATHER SERVICE

HYDROLOGIC SERVICE AREA (HSA)

San Angelo, TX

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH

YEAR

October

2009

TO: Hydrologic Information Center, W/OS31
NOAA's National Weather Service
1325 East West Highway
Silver Spring, MD 20910-3283

SIGNATURE

Jason Johnson

DATE

November 15, 2009

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

☒ An X inside this box indicates that no flooding occurred within this hydrologic service area.

Rainfall was observed across the hydrologic service area (HSA) on more than half of the days of the month in October. Most areas at least received one inch of rain, while many areas across the eastern two-thirds of the HSA received over two inches of rain. Generally, the rainfall was beneficial and did not produce significant flooding. However, one overnight heavy rain event in southeast San Saba County produced a considerable rise on Cherokee Creek. During the early morning hours on the 26th, thunderstorms moved across the Heartland producing isolated areas of very heavy rain. Over five inches of rain fell in the Cherokee Creek Basin where an LCRA automated rain gage located at Cherokee Creek near Bend recorded 2.61 inches in a 15-minute period. The subsequent 15-minute period report was 1.81 inches. The storm total at the gage was over 5.5 inches. Upstream of this gage, three to four inches of widespread rain was estimated by radar. The streamgage on Cherokee Creek was reporting about 2 cfs before the event and spiked to just over 4,000 cfs shortly after the heavy rain fell.

The U.S. Drought Monitor depicted abnormally dry to moderate drought conditions across the eastern Big Country during the first part of October. By the end of the month, rainfall had eased drought conditions and the HSA was experiencing normal conditions.

The average precipitation reported from coop observers in October was 3.54 inches. The highest monthly precipitation total of 6.76 inches was reported in Crockett County. Coop observers in Crockett and San Saba Counties received over six inches of rain in October.

The San Angelo Regional Airport received 2.92 inches of precipitation during October, which was 0.35 of an inch above normal for the month. The monthly normal rainfall for San Angelo in October is 2.57 inches.

The Abilene Regional Airport received 3.40 inches of precipitation during October, which was 0.50 of an inch above normal for the month. The monthly normal rainfall for Abilene in October is 2.90 inches.

Junction received 3.69 inches of rain during October. The estimated average monthly rainfall in October is about 2.75 inches.

Coop Observer Rainfall Totals for October, 2009:

Station Name	Amount (in)		Station Name	Amount (in)
Abilene 2	4.10		Mertzon 12NNW	3.34
Acton Ranch	6.76		Ozona 2	1.45
Albany	3.89		Ozona 22SE	2.84
Anson	4.50		Paint Rock	2.55
Ballinger 2NW	2.10		Putnam	3.75
Blackwell 6NE	1.39		Red Bluff Crossing	4.57
Brady	4.07		Robert Lee	2.04
Brownwood	4.74		Roscoe	3.19
Burkett	3.46		Rotan	3.02
Coleman	2.93		San Angelo WFO	2.94
Concho Park	3.34		San Saba 7NW	4.94
Eden	4.20		Santa Anna 12SSE	4.18
Eldorado	2.67		Silver Valley	4.16
Eldorado 10W	3.09		Sonora	4.55
Fort Griffin	3.07		Stamford	2.95
Fort McKavett	2.80		Sterling City	3.59
Glen Cove 2NE	4.19		Taylor Ranch	6.63
Hamlin	3.73		Throckmorton 7NE	3.36
Haskell	3.09		Water Valley	2.83
Hords Creek	3.90		Water Valley 11NE	1.96
Humble Pump	2.27		Winters 1NE	2.94
Junction 4SSW	4.86		Woodson	4.84
Lawn	2.66			
London 3N	2.71			
Menard	3.61		(M) <i>Missing data</i>	
Merkel 12SW	4.97		(T) <i>Trace</i>	

Reservoir Conditions (end of October, 2009)

Reservoir	Conservation Capacity (Ac-Ft)	End of Month Capacity (Ac-Ft)	Percent of Capacity (%)
Fort Phantom Hill	70,030	49,590	71
Lake Stamford	52,700	36,400	71
Hubbard Creek Lake	317,800	220,820	69
Hords Creek Lake	8,800	3,990	49
Lake Brownwood	131,428	90,560	69
E.V. Spence	488,760	27,150	5
O.C. Fisher	119,200	4,260	4
O.H. Ivie	554,340	243,800	44
Twin Buttes	177,800	42,140	24

Hydro Products Issued

FFA = 4

FFW = 1

FLS = 4 (Urban/Small Stream Advisory)

ESF = 2

The NWS precipitation analysis can be viewed at <http://water.weather.gov/>.

The total monthly precipitation estimate and percent of normal precipitation for October across the San Angelo HSA is depicted below.

